



# National Weather Service Melbourne, Florida

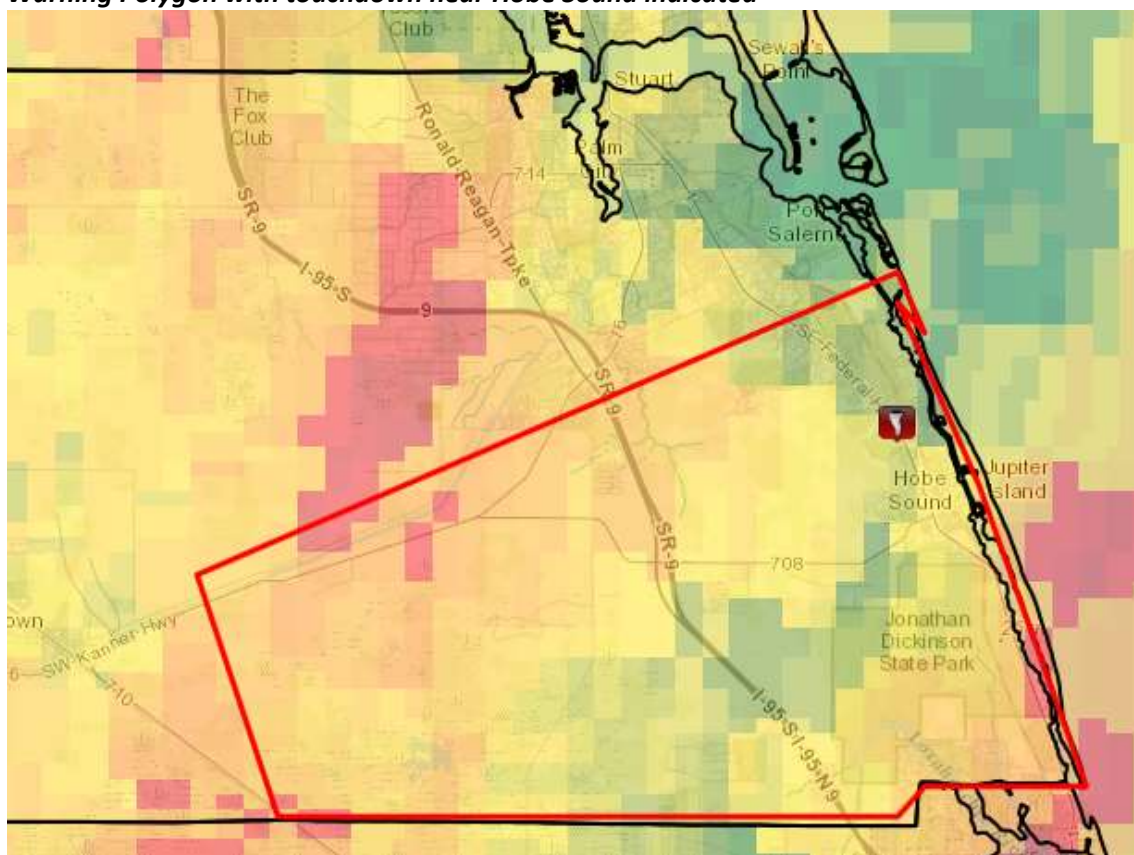
<http://www.srh.noaa.gov/mlb/>

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## NWS Melbourne Damage Survey Hobe Sound | 17 January 2016

A squall line pushed rapidly across the Florida Peninsula and Treasure Coast during the early morning hours of Sunday, January 17<sup>th</sup>. An NWS survey conducted that afternoon revealed a tornado touched down near Hobe Sound at 7:13 am EST, initially producing EF-1 damage near U.S. 1, then weakened to EF-0 before lifting near the intracoastal waterway at 7:15 am EST. Numerous large trees with trunks snapped or were uprooted. Roof and car damage occurred, mainly as a result of trees falling.

*Warning Polygon with touchdown near Hobe Sound indicated*



# Tornado Warning

BULLETIN - EAS ACTIVATION REQUESTED  
TORNADO WARNING  
NATIONAL WEATHER SERVICE MELBOURNE FL  
703 AM EST SUN JAN 17 2016

THE NATIONAL WEATHER SERVICE IN MELBOURNE HAS ISSUED A

\* TORNADO WARNING FOR...  
SOUTHERN MARTIN COUNTY IN EAST CENTRAL FLORIDA...

\* UNTIL 730 AM EST

\* AT 703 AM EST...A SEVERE THUNDERSTORM CAPABLE OF PRODUCING A  
TORNADO WAS LOCATED 10 MILES EAST OF INDIANTOWN...MOVING EAST AT 55  
MPH.

HAZARD...TORNADO.

SOURCE...RADAR INDICATED ROTATION.

IMPACT...FLYING DEBRIS WILL BE DANGEROUS TO THOSE CAUGHT WITHOUT  
SHELTER. MOBILE HOMES WILL BE DAMAGED OR DESTROYED.  
DAMAGE TO ROOFS...WINDOWS AND VEHICLES WILL OCCUR. TREE  
DAMAGE IS LIKELY.

\* THIS DANGEROUS STORM WILL BE NEAR...  
JUPITER ISLAND AND JONATHAN DICKINSON STATE PARK AROUND 720 AM EST.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

TAKE COVER NOW! MOVE TO A BASEMENT OR AN INTERIOR ROOM ON THE LOWEST  
FLOOR OF A STURDY BUILDING. AVOID WINDOWS. IF YOU ARE OUTDOORS...IN A  
MOBILE HOME...OR IN A VEHICLE...MOVE TO THE CLOSEST SUBSTANTIAL  
SHELTER AND PROTECT YOURSELF FROM FLYING DEBRIS.

&&

LAT...LON 2696 8038 2704 8041 2714 8015 2712 8014  
2713 8015 2707 8012 2697 8008 2697 8014  
2696 8015

TIME...MOT...LOC 1203Z 252DEG 47KT 2699 8031

TORNADO...RADAR INDICATED  
HAIL...<.75IN

## Social Media



### NWSMelbourne

Jan 17, 7:03am via NWSBot

MLB issues Tornado Warning for Martin [FL] till 7:30 AM EST  
[nwschat.weather.gov/vtec/#2016-O-N...](https://nwschat.weather.gov/vtec/#2016-O-N...)



### NWSMelbourne

Jan 17, 7:07am via Hootsuite

7:03 am | Tornado Warning for #Martin County. Take cover now!



### NWSMelbourne

Jan 17, 7:09am via Hootsuite

7:07 am | Tornado Warning includes #HobeSound area. Persons in eastern #Martin County should take cover immediately!



### NWSMelbourne

Jan 17, 7:17am via Hootsuite

7:16 am | Keep sheltered as tornadic circulation pushes across the coast in #HobeSound area. Waterspout danger as the storm pushes offshore.

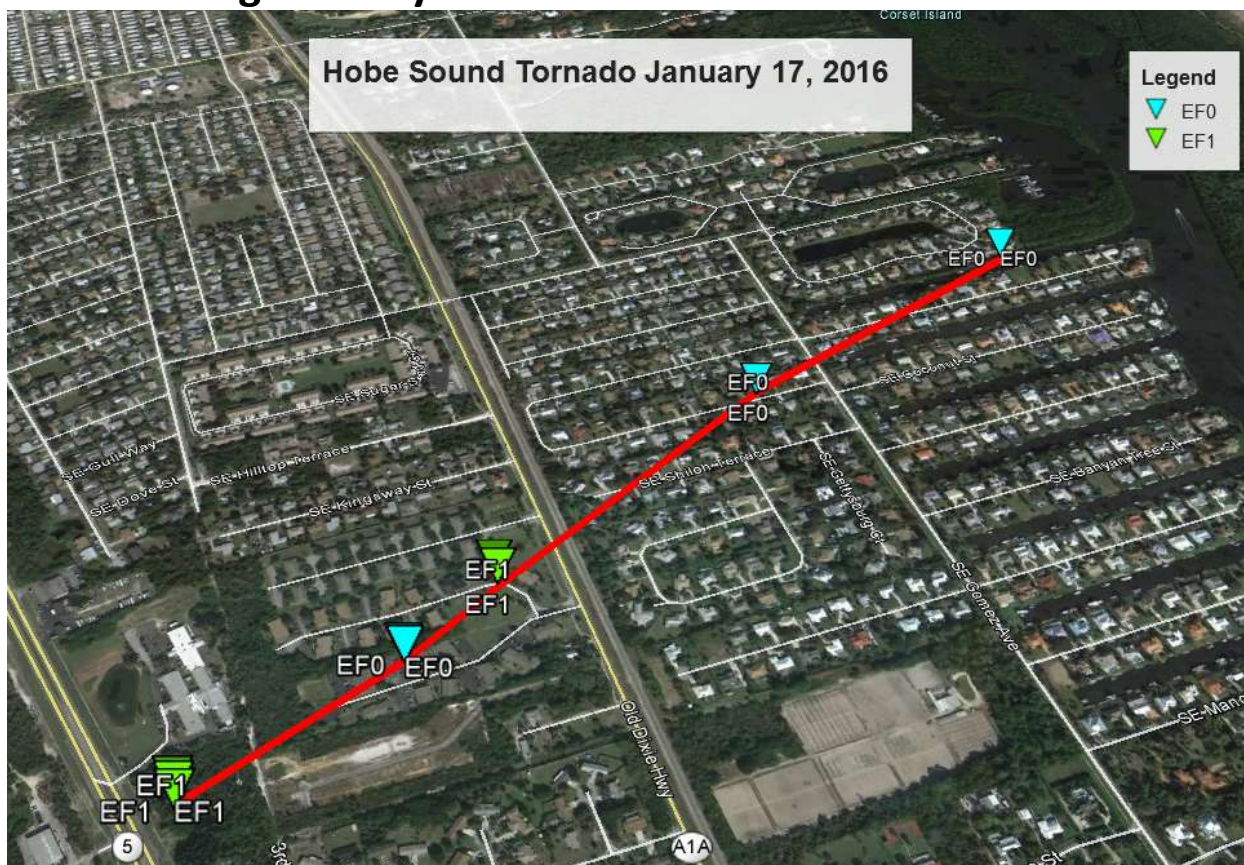


### NWSMelbourne

Jan 17, 7:18am via Hootsuite

7:18 am | Tornado Warning for #Martin Co has been CANCELLED. Storm has pushed offshore with waterspout threat over water.

## From Damage Survey



## Local Storm Report from NWS Survey

PRELIMINARY LOCAL STORM REPORT  
NATIONAL WEATHER SERVICE MELBOURNE FL  
342 PM EST SUN JAN 17 2016

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	....MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		

0713 AM	TORNADO	2 NNW HOBE SOUND	27.09N 80.15W
01/17/2016		MARTIN	FL NWS STORM SURVEY

TORNADO TOUCHED DOWN AS EF-1 NEAR U.S. 1 AND MOVED RAPIDLY NORTHEAST, WEAKENING TO AN EF-0 BEFORE LIFTING OVER INTRACOASTAL WATERWAY NEAR SE PALM STREET AT 715 AM EST. SEVERAL LARGE TREES WITH TRUNKS SNAPPED AND/OR UPROOTED. DAMAGE TO ROOFS AND CAR FROM TREES.

# Public Information Statement from Damage Survey

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE MELBOURNE FL  
640 PM EST SUN JAN 17 2016

...NWS DAMAGE SURVEY FOR 1/17/16 HOBE SOUND TORNADO EVENT...

.OVERVIEW...A LOW PRESSURE SYSTEM PUSHED A RAPIDLY-MOVING  
SQUALL LINE THROUGH THE AREA...CONTAINING AN EMBEDDED BRIEF  
TORNADO.

.HOBE SOUND TORNADO...

RATING:	EF-1
ESTIMATED PEAK WIND:	90 MPH
PATH LENGTH /STATUTE/:	1.00 MILES
PATH WIDTH /MAXIMUM/:	75 YARDS
FATALITIES:	0
INJURIES:	0
START DATE:	JAN 17 2016
START TIME:	713 AM EST
START LOCATION:	2 NNW HOBE SOUND / MARTIN COUNTY / FL
START LAT/LON:	27.0873 / -80.1497
END DATE:	JAN 17 2016
END TIME:	715 AM EST
END LOCATION:	2 N HOBE SOUND / MARTIN COUNTY / FL
END LAT/LON:	27.0963 / -80.1416

NWS STORM SURVEY TEAM DETERMINED AN EF-1 TORNADO TOUCHED DOWN  
JUST EAST OF U.S. HIGHWAY 1 BETWEEN SE COURTNEY TERRACE AND SE  
HIGHPOINT WAY...WITH ESTIMATED PEAK WINDS OF 90 MPH. THE TORNADO  
THEN WEAKENED TO EF-0 AND MOVED EAST-NORTHEAST ACROSS A THREE  
BLOCK AREA BEFORE LIFTING AT THE INTERCOASTAL WATERWAY BETWEEN  
SE MARINA BAY DRIVE AND SE PALM STREET. SEVERAL HOMES EXPERIENCED  
MOSTLY MINOR DAMAGE DUE TO FALLING TREES AND DEBRIS PENETRATION OF  
WINDOWS. AT LEAST THREE VEHICLES WERE HEAVILY DAMAGED DUE TO  
FALLING TREES AND FLYING DEBRIS.

THANK YOU TO MARTIN COUNTY EMERGENCY MANAGEMENT FOR ASSISTANCE  
WITH DAMAGE SURVEY DETAILS AND TO THE RESIDENTS WHO PROVIDED  
FIRST HAND ACCOUNTS OF THE STORM. MOST RESIDENTS INTERVIEWED  
RECEIVED THE NWS TORNADO WARNING VIA CELL PHONE WIRELESS  
EMERGENCY ALERT (WEA).

EF SCALE: THE ENHANCED FUJITA SCALE CLASSIFIES TORNADOES INTO  
THE FOLLOWING CATEGORIES.

EF0...WEAK.....	65 TO 85 MPH
EF1...WEAK.....	86 TO 110 MPH
EF2...STRONG....	111 TO 135 MPH
EF3...STRONG....	136 TO 165 MPH
EF4...VIOLENT...	166 TO 200 MPH
EF5...VIOLENT...	>200 MPH

NOTE:  
THE INFORMATION IN THIS STATEMENT IS PRELIMINARY AND SUBJECT TO  
CHANGE PENDING FINAL REVIEW OF THE EVENTS AND PUBLICATION IN  
NWS STORM DATA.



## Damage Photos

Photos below are from NWS Damage Survey:





**NWS Damage Survey (continued)**



**Photos below are courtesy Martin County Emergency Management:**



Photos below are courtesy Martin County Sheriff Office:

